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**Exhibit R-2, RDT&E Budget Item Justification:** PB 2019 Office of the Secretary Of Defense **Date:** February 2018

<b>Appropriation/Budget Activity</b>					<b>R-1 Program Element (Number/Name)</b>							
0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support					PE 0605804D8Z / Development Test & Evaluation							
<b>COST (\$ in Millions)</b>	<b>Prior Years</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>	<b>FY 2020</b>	<b>FY 2021</b>	<b>FY 2022</b>	<b>FY 2023</b>	<b>Cost To Complete</b>	<b>Total Cost</b>
Total Program Element	58.280	20.822	20.571	20.179	-	20.179	20.261	20.311	20.658	21.049	Continuing	Continuing
804: Development Test & Evaluation	58.280	20.822	20.571	20.179	-	20.179	20.261	20.311	20.658	21.049	Continuing	Continuing

**Note**

Service Requirements Review Board (SRRB) efficiencies are included.

**A. Mission Description and Budget Item Justification**

This Program Element (PE) establishes the dedicated funding line to carry out the duties In Accordance With Department of Defense Instruction (DoDI) 5000.02 Change 2 dated February 2017. Specific responsibilities are outlined in DoDI 5134.17 Change 1 dated September 2015. The Deputy Assistant Secretary of Defense for Development Test and Evaluation (DASD(DT&E)) is the principal advisor to the Secretary of Defense, the Office of the Under Secretary of Defense, Research and Engineering (OUSD(R&E)) on Development Test and Evaluation (DT&E) in the DoD.

The DT&E program element is budgeted in the Research Development Test and Evaluation (RDT&E) budget activity to support and improve the DT&E efforts of Major Defense Acquisition Program (MDAP), Major Automated Information System (MAIS) / Business System Category Programs, and other Special Interest (SI) acquisition programs designated by OUSD(R&E) as they progress through the acquisition/development lifecycle; oversee the Test and Evaluation (T&E) career field of the defense acquisition workforce; develop policy and guidance for the conduct of DT&E within the DoD; and prepare reports to Congress as required.

<b>B. Program Change Summary (\$ in Millions)</b>	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019 Base</b>	<b>FY 2019 OCO</b>	<b>FY 2019 Total</b>
Previous President's Budget	19.541	20.571	20.321	-	20.321
Current President's Budget	20.822	20.571	20.179	-	20.179
Total Adjustments	1.281	0.000	-0.142	-	-0.142
• Congressional General Reductions	-	-			
• Congressional Directed Reductions	-	-			
• Congressional Rescissions	-	-			
• Congressional Adds	2.000	-			
• Congressional Directed Transfers	-	-			
• Reprogrammings	-	-			
• SBIR/STTR Transfer	-0.692	-			
• Other Program Adjustments	-	-	-0.007	-	-0.007
• FFRDC Transfer	-0.024	-	-	-	-
• Reprogrammed to Cancelled Account	-0.003	-	-	-	-
• Economic Assumption	-	-	-0.135	-	-0.135

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Exhibit R-2, RDT&E Budget Item Justification: PB 2019 Office of the Secretary Of Defense		Date: February 2018	
Appropriation/Budget Activity 0400: Research, Development, Test & Evaluation, Defense-Wide / BA 6: RDT&E Management Support		R-1 Program Element (Number/Name) PE 0605804D8Z / Development Test & Evaluation	
<p><b>Congressional Add Details (\$ in Millions, and Includes General Reductions)</b></p> <p><b>Project:</b> 804: Development Test &amp; Evaluation</p> <p>Congressional Add: Development Test And Evaluation - Program Increase</p> <p>Congressional Add Subtotals for Project: 804</p> <p>Congressional Add Totals for all Projects</p> <p><b>Change Summary Explanation</b></p> <p>FY 2019 adjustments are reflective of minor budget adjustments.</p>		<b>FY 2017</b>	<b>FY 2018</b>
		2.000	0.000
		2.000	0.000
		2.000	0.000

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Exhibit R-2A, RDT&E Project Justification: PB 2019 Office of the Secretary Of Defense										Date: February 2018		
Appropriation/Budget Activity 0400 / 6					R-1 Program Element (Number/Name) PE 0605804D8Z / Development Test & Evaluation				Project (Number/Name) 804 / Development Test & Evaluation			
COST (\$ in Millions)	Prior Years	FY 2017	FY 2018	FY 2019 Base	FY 2019 OCO	FY 2019 Total	FY 2020	FY 2021	FY 2022	FY 2023	Cost To Complete	Total Cost
804: Development Test & Evaluation	58.280	20.822	20.571	20.179	-	20.179	20.261	20.311	20.658	21.049	Continuing	Continuing
Quantity of RDT&E Articles	-	-	-	-	-	-	-	-	-	-		

**A. Mission Description and Budget Item Justification**

This project provides resources to support Acquisition Program Managers, Chief Developmental Testers, and Lead DT&E Organizations in the development of comprehensive and efficient DT&E strategies to support key acquisition milestones and engineering decisions. This project also manages the Test & Evaluation (T&E) career field and curriculum for the DoD acquisition workforce, develops policy and guidance for the conduct of DT&E within DoD, and prepares reports to Congress as required. Specific activities include the following:

- The Deputy Assistant Secretary of Defense DT&E (DASD(DT&E)) ensures that test strategies beginning at Milestone A, are documented in the Test and Evaluation Master Plans (TEMPs). DASD(DT&E) reviews and approves/disapproves the developmental test and evaluation strategy within the TEMPs.
- Provide formal DT&E Assessments prior to major milestone decisions to inform the acquisition decision-makers on the readiness of programs to release the Engineering and Manufacturing Development (EMD) Request For Proposal (RFP) pre Milestone B, and begin production, Milestone C, with the goal of reducing discovery of performance issues later in the acquisition cycle.
- Managing the Scientific Test and Analysis Techniques Center of Excellence (STAT COE). Over the last four years, the STAT COE has supported over 40 Acquisition Program Managers in the development of statistically optimized test programs. These efforts have resulted in 175 more efficient and effective test plans and a test cost avoidance of about \$160M.
- Coordinate with the Test Resources Management Center (TRMC) to identify DoD test infrastructure gaps and support development of the TRMC strategic plan.
- Coordinate with the Director of Systems Engineering (SE) to ensure that the DT&E activities of the DoD are fully integrated into, and consistent with, the SE and development planning processes of the Department.
- Develop policy and guidance to ensure efficient and effective DT&E across DoD, including policy and guidance for developmental testing of interoperability and cybersecurity in coordination with the Joint Staff and DoD Chief Information Officer (CIO).
- As the T&E Functional Leader, establish, oversee, and maintain the education, training and experience requirements including competencies and certification standards to enhance the T&E acquisition workforce. Monitor and facilitate Defense Acquisition University (DAU) updates of T&E courses to ensure the curriculum supports the certification standards and provides the appropriate education and training.

**B. Accomplishments/Planned Programs (\$ in Millions)**

	<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
<b>Title:</b> Development Test and Evaluation	18.822	20.571	20.179
<b>Description:</b> This program supports and improves the DT&E efforts of Major Defense Acquisition Program (MDAP), Major Automated Information System (MAIS) /Business System Category Programs, and other Special Interest (SI) acquisition programs as they progress through the acquisition/development lifecycle; oversee the Test and Evaluation (T&E) career field of the defense			

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<b>Appropriation/Budget Activity</b> 0400 / 6		<b>R-1 Program Element (Number/Name)</b> PE 0605804D8Z / <i>Development Test &amp; Evaluation</i>		<b>Project (Number/Name)</b> 804 / <i>Development Test &amp; Evaluation</i>	
<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>			<b>FY 2017</b>	<b>FY 2018</b>	<b>FY 2019</b>
acquisition workforce; develop policy and guidance for the conduct of DT&E within the DoD; and prepare the annual DT&E report to Congress.					
<b>FY 2018 Plans:</b> <ul style="list-style-type: none"> <li>- Work with Acquisition Program Managers, Chief Developmental Testers, and Lead DT&amp;E organizations to improve DT&amp;E planning and develop comprehensive and efficient DT&amp;E strategies through the use of disciplined Evaluation Framework Matrices and STAT.</li> <li>- Continue to implement the DASD(DT&amp;E) 'Shift Left' philosophy that focuses on ensuring DT&amp;E strategies are developed in advance of releasing Technology Maturation and Risk Reduction (TMRR) and Engineering and Manufacturing Development (EMD) Request For Proposals (RFPs), and increasing the amount and quality of data available to support production decisions with specific focus on cybersecurity, interoperability, and reliability.</li> <li>- Review/approve all TEMPs submitted to support milestone reviews. Ensure DT&amp;E planning is complete prior to the start of DT&amp;E activities.</li> <li>- Refine DT&amp;E policies and methodologies addressing DT&amp;E across all Acquisition programs.</li> <li>- Publish DT&amp;E data-based system performance assessments to support Defense Acquisition Board (DAB) review of MDAP and Business System Category programs proceeding to major milestones.</li> <li>- Promote the application of sound DT&amp;E and related technical disciplines across the Department's acquisition community and programs.</li> <li>- Convene the T&amp;E Key Leadership Position Certification Board to review T&amp;E key leadership candidates.</li> <li>- Serve as Functional Manager of the T&amp;E acquisition workforce.</li> <li>- Review the DAU T&amp;E education, training, and experience requirements including competencies and certification standards; position category description(s); and content of the DAU courses. Provide direction on needed changes.</li> <li>- Sustain the Scientific Test and Analysis Techniques Center of Excellence (STAT COE).</li> <li>- Prepare reports to Congress as required.</li> </ul>					
<b>FY 2019 Plans:</b> <ul style="list-style-type: none"> <li>- Work with Acquisition Program Managers, Chief Developmental Testers, and Lead DT&amp;E organizations to improve DT&amp;E planning and develop comprehensive and efficient DT&amp;E strategies through the use of disciplined Evaluation Framework Matrices and Scientific Test and Analysis Techniques (STAT).</li> <li>- Continue to implement the DASD(DT&amp;E) 'Shift Left' philosophy that focuses on ensuring DT&amp;E strategies are developed in advance of releasing Technology Maturation and Risk Reduction (TMRR) and Engineering and Manufacturing Development (EMD) RFPs, and increasing the amount and quality of data available to support production decisions with specific focus on cybersecurity, interoperability, and reliability.</li> </ul>					

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<b>B. Accomplishments/Planned Programs (\$ in Millions)</b>		<b>FY 2017</b>	<b>FY 2018</b>
<ul style="list-style-type: none"> <li>- Review/approve all TEMP's submitted to support milestone reviews. Ensure DT&amp;E planning is complete prior to the start of DT&amp;E activities.</li> <li>- Refine DT&amp;E policies and methodologies addressing DT&amp;E across all Acquisition programs.</li> <li>- Publish DT&amp;E data-based system performance assessments to support Defense Acquisition Board (DAB) review of MDAP and Business System Category programs proceeding to major milestones.</li> <li>- Promote the application of sound DT&amp;E and related technical disciplines across the Department's acquisition community and programs.</li> <li>- Convene the T&amp;E Key Leadership Position Certification Board to review T&amp;E key leadership candidates.</li> <li>- Serve as Functional Manager of the T&amp;E acquisition workforce.</li> <li>- Review the DAU T&amp;E education, training, and experience requirements including competencies and certification standards; position category description(s); and content of the DAU courses. Provide direction on needed changes.</li> <li>- Work with the Services to identify funding to sustain the STAT COE.</li> <li>- Prepare reports to Congress as required.</li> </ul> <p><b><i>FY 2018 to FY 2019 Increase/Decrease Statement:</i></b> Realignment of program priorities.</p>			
<b>Accomplishments/Planned Programs Subtotals</b>		18.822	20.571
		<b>FY 2017</b>	<b>FY 2018</b>
<b><i>Congressional Add:</i></b> Development Test And Evaluation - Program Increase		2.000	0.000
<b><i>FY 2017 Accomplishments:</i></b> Developed in-depth data-based system performance assessments to support Defense Acquisition Board reviews of MDAPs. Refined Cybersecurity test policy and procedures and supported MDAP Program Managers and Chief Developmental testers in the development of cybersecurity test strategies.			
<b><i>FY 2018 Plans:</i></b> N/A.			
<b>Congressional Adds Subtotals</b>		2.000	0.000
<b>C. Other Program Funding Summary (\$ in Millions)</b>			
N/A			
<b>Remarks</b>			
N/A			
<b>D. Acquisition Strategy</b>			
N/A			

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**E. Performance Metrics**

- Engaged and conducted oversight on all AT&L-designated MDAP, MAIS, and SI programs.
- Advised at Defense Acquisition Board (DAB), Overarching Integrated Product Teams (OIPT), and Nunn-McCurdy Reviews.
- Reviewed DT&E strategy in Test and Evaluation Master Plans (TEMPs) for MDAP, MAIS, and Special Interest programs.
- Prepared formal DT&E assessments to inform Acquisition decision makers of readiness to enter EMD or begin Low Rate Initial Production.
- Supported OSD led Peer Reviews.
- The Scientific Test and Analysis Techniques Center of Excellence (STAT COE) supported development of disciplined test strategies.